



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/071,936

02/07/2002

Terry Robert Ecklund

10022/182

9850

33391 7590 04/04/2008  
ACCENTURE INDY 33391  
BRINKS HOFER GILSON & LIONE  
ONE INDIANA SQUARE, SUITE 1600  
INDIANAPOLIS, IN 46204

EXAMINER

BILGRAMI, ASGHAR H

ART UNIT

PAPER NUMBER

2143

MAIL DATE

DELIVERY MODE

04/04/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/071,936	<b>Applicant(s)</b> ECKLUND ET AL.	
	<b>Examiner</b> ASGHAR BILGRAMI	<b>Art Unit</b> 2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 November 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☐ Claim(s) 1,4,6,10-12,15-18,20 and 25-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,4,6,10-12,15-18,20 and 25-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**UNITED STATES DEPARTMENT OF COMMERCE****U.S. Patent and Trademark Office**

Address : COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10071936	2/7/2002	ECKLUND ET AL.	10022/182

ACCENTURE INDY 33391  
BRINKS HOFER GILSON & LIONE  
ONE INDIANA SQUARE, SUITE 1600  
INDIANAPOLIS, IN 46204

**EXAMINER**

ASGHAR BILGRAMI

ART UNIT	PAPER
2143	20080327

DATE MAILED:

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner for Patents**

Final Office dated February-5-2008 has been vacated because it did not address the dependent claim 25. A new Supplemental Final Office action is being generated which addresses dependent claim 25 with the same prior art.

## DETAILED ACTION

### *Response to Arguments*

1. Applicant's arguments filed November, 19, 2007 have been fully considered but they are not persuasive.

2. Applicant's attorney mentioned that Examiner Jeffery B. Dennison agreed to withdraw 112 rejection and issue a non-final rejection.

As to the statement of applicant's attorney, Jerry B. Dennison never agreed to issue a non-final office action. Please see Examiner's interview summary dated 11/16/2007.

Additionally, the applicant is not entitled to a non-final rejection because the amended claims and new claims submitted by the applicant on 11/19/2007 have altered the scope of the invention.

3. In light of applicant's clarification regarding the claim language in the interview summary the 112 rejection has been withdrawn.

4. Applicant argued that neither Ollikainen nor Ndili disclose teach or suggest generating a navigation aid or a navigation aid with a viewable link.

As to applicant's argument the navigation aid 170 along with viewable link {I.E. a user interactive feature(icon)} disclosed applicant in figure 8 is disclosed by Ndili in the following paragraphs.

[0078] In step 420, the content retrieved from the IP site is converted and segmented according to the memory allotment. Each segment is portioned to correspond approximately to the memory allotment. The size of the segments allows each segment to be displayed in its entirety as one page on mobile device 120. As an example, if a converted journal article from a web site is 24k in length, the article is segmented roughly into 24 1k segments for a 1k buffer sized mobile device.

[0079] In step 430, a page break line or region is located on the retrieved and converted network content corresponding to the boundary of each segment. The content engine 110 may locate a line or region where the 1k break occurs.

[0080] Then in step 440, each segment is paginated on that page break line or region to ensure that the cut-off to a next segment is made at an appropriate place. If a segment of converted network content retrieved from the IP site is not paginated properly, HDML or WML or other wireless format syntax may fail. In addition, words may be split up incorrectly to appear on different pages of the mobile device 120.

[0083] To ensure the free unattached space is not between an open and close tag bracket, the content engine 110 may include coding that measures on the page break region the distance between the first located space and an open tag "<". The coding then measures the distance between the located space and the close tag ">". If the distance between the located space and the open tag is less than the distance between the located space and the close tag, then the located space is considered free and unattached, that is, the located space is not part of any tag. If the distance between the located space and the open tag is greater than the distance between the located space and the close tag, then the located space is considered attached. A next space is then located in the page break region. The next space may correspond to the space appearing to the right of the close tag. The spaces appearing in the page break region are checked in this manner until a free unattached space is located. In addition, this space then needs to be inspected to ensure that it is not within a coupled open tag/ close tag pair such as "<a>" and "</a>". The same distance measuring algorithm is used to ensure that the selected space or chosen page break point is external to a coupled open/close tag pair. Once these two conditions are verified, the located space or page break point is then made the location of a page break and the segment is paginated.

[0084] In step 450, the segment is sent to mobile device 120. The next segment may be indicated with a user-interactive feature (icon) to show the availability of a next segment. Upon activation of the request for the next page, in step 460, a determination is made as to whether a next segment is the last segment for the network content. If in step 460, a next segment is a last segment, then the last segment is signaled to mobile device 120 in step 470 as the last segment. If there is another segment, then steps 410-460 are repeated.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1, 4, 6, 10-12, 15-18, 20, 25-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ollikainen (U.S. Pub No. 2003/0074475A1) and Ndili (U.S. Pub No. 2002/0161928 A1).

1. As per claims 1, 6, 11, 15-17, 28 Ollikainen disclosed a wireless communication system comprising: a remote server including a predetermined mark-up language file; a proxy server configured to communicate with said remote server, wherein said proxy server is programmed to receive a request to retrieve said predetermined mark-up language file, wherein said request is transmittable from a wireless communication device, wherein said request received from said wireless communication device is generated in response to selection of a menu item from among a plurality of menu items displayable with said wireless communication device {regarding web pages and (Mark-up language) browsers please see paragraphs.25, 49, 54, 70, 75} wherein said request is to retrieve said predetermined mark-up language file said request being in a first format that is converted into a second format by said proxy server (paragraphs. 26, 46 & 47), said second format being used to retrieve said predetermined mark-up language file from said remote server. However Ollikainen did not explicitly disclose wherein said proxy server is configured to divide said predetermined mark-up language file into a plurality of viewable

Art Unit: 2154

segments, said plurality of viewable segments being a predetermined number of viewable segments, including a first viewable segment and a second viewable segment, said first viewable segment and said second viewable segment each being sized less than a display buffer and sized to fit within a viewable area of a display screen of said wireless communication device so that a whole of any one of said viewable segments and a navigation aid are viewable at the same time in said viewable area of said display screen, wherein said proxy server is further configured to generate said navigation aid, wherein said proxy server is further configured to transmit said first first-viewable segment and said navigational aid in response to said request, said navigation aid being selectable with said wireless communication device to request said second viewable segment and wherein said Proxy server is further configured to transmit said second viewable segment upon receipt of a selection of said navigation aid by said wireless communication device. In the same field of endeavor Ndili disclosed wherein said proxy server is configured to divide said mark-up language file into a plurality of viewable segments including a first viewable segment and a second viewable segment (Page.5. paragraphs 78-80), said first viewable segment and said second viewable segment each being sized less than a display buffer and sized to fit within said viewable area of said display screen of said wireless communication device so that a whole of any one of said viewable segments and a navigation aid are viewable at the same time in said viewable area of said display screen (page.3, paragraphs 47-51 & page.6, paragraphs. 83 & 84), wherein said proxy server is further configured to generate said navigation aid wherein said proxy server is further configured to transmit said first first-viewable segment and said navigational aid in response to said request, said navigation aid being selectable with said wireless communication device to request said second viewable segment and wherein said Proxy



server further configured to transmit said second viewable segment upon receipt of a selection of said navigation aid by said wireless communication device (page.5, paragraphs 78 through 81 & page6, paragraphs 82 through 84).

It would have been obvious to one in the ordinary skill in the art at the time the invention was made to have incorporated the segmentation of the received predetermined mark-up language file as disclosed by Ndili in a wireless communication system disclosed by Ollikainen order to make the Internet browsing of a mark-up language file more efficient for the user resulting in smooth reception and reliable availability of mark-up language data to the user's handheld device.

2. As per claims 4, 10 & 12 Ollikainen - Ndili disclosed the wireless communication system of claim 1, wherein said proxy server is configured to convert said viewable segments into a format compatible with said wireless communication device (Ndili, page.5, paragraphs 78 through 81 & page6, paragraphs 82 through 84).

3. As per claim 18 Ollikainen - Ndili disclosed the computer network of claim 17, wherein said size of said viewable area of said display screen is determined by querying with the said proxy server said wireless communication device (Ndili, page.5, paragraphs 78 through 81 & page6, paragraphs 82 through 84).

4. As per claims 20 Ollikainen – Ndili disclosed the wireless communication system of claim 15, wherein the whole of one of said first viewable segment or second viewable segment (Ndili, Page 5. paragraphs 78-81) and least one if said first navigation aid and or said second navigation aid are viewable simultaneously in said display (Ndili, Page 3. paragraphs. 47 –50, page 6, paragraphs, 83, 84).

5. As per claims 25 Ollikainen – Ndili disclosed the method of claim 17, further comprising: generating a menu with said wireless communication device, wherein said menu includes a plurality of menu items selectable with an input device included in said wireless communication device, wherein said plurality of menu items include an integration and application programming interface (API) tools menu item (Ndili, paragraph.149), a technical services menu item, and a gateway services menu item, wherein said menu is displayable only when said wireless communication device is in communication with said proxy server; receiving a selection of a menu item from said menu items with said input device; and generating said request for said predetermined mark-up language file from said selected menu item (Ndili, Paragraphs.144-146).

6. As per claims 26 & 27 Ollikainen – Ndili disclosed the wireless communication system of claim 1, wherein said plurality of viewable segments includes a third viewable segment, and said navigation aid is a first navigation aid, wherein said proxy server is further configured to

Art Unit: 2154

generate a second navigation aid and a third navigation aid, wherein said proxy server is further configured to transmit said second navigation aid and said third navigation aid with said second viewable segment in response to receipt from said wireless communication device of selection of said first navigation aid, said second navigation aid being selectable with said wireless communication device to request said first viewable segment and said third navigation aid being selectable with said wireless communication device to request said third viewable segment, wherein said proxy server is further configured to transmit said first viewable segment in response to receipt from said wireless communication device of selection of said second navigation aid, and wherein said proxy server is further configured to transmit said third viewable segment in response to receipt from said wireless communication device of selection of said third navigation aid. (paragraphs 78-80 & 83, 84).

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asghar Bilgrami whose telephone number is 571-272-3907. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AB

/Nathan J. Flynn/

Supervisory Patent Examiner, Art Unit 2154